

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number  
**WO 2004/000502 A1**

(51) International Patent Classification<sup>7</sup>: **B24C 25/16**

(21) International Application Number:  
PCT/GB2003/002614

(22) International Filing Date: 18 June 2003 (18.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0214119.0 19 June 2002 (19.06.2002) GB

(71) Applicant (for all designated States except US): **AIRBUS UK LIMITED** [GB/GB]; New Filton House, Filton, Bristol BS99 7AR (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WHITE, Nicholas, John** [GB/GB]; 14 Mulberry Avenue, Portishead, Somerset BS20 7LG (GB). **BRIANCOURT, Stephen, Paul** [GB/GB]; 17 The Spinney, Bradley Stoke, Bristol, Avon BS32 8ES (GB).

(74) Agents: **PEARSON, James, Glenn et al.**; Abel & Imray, 20 Red Lion Street, London WC1R 4PQ (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

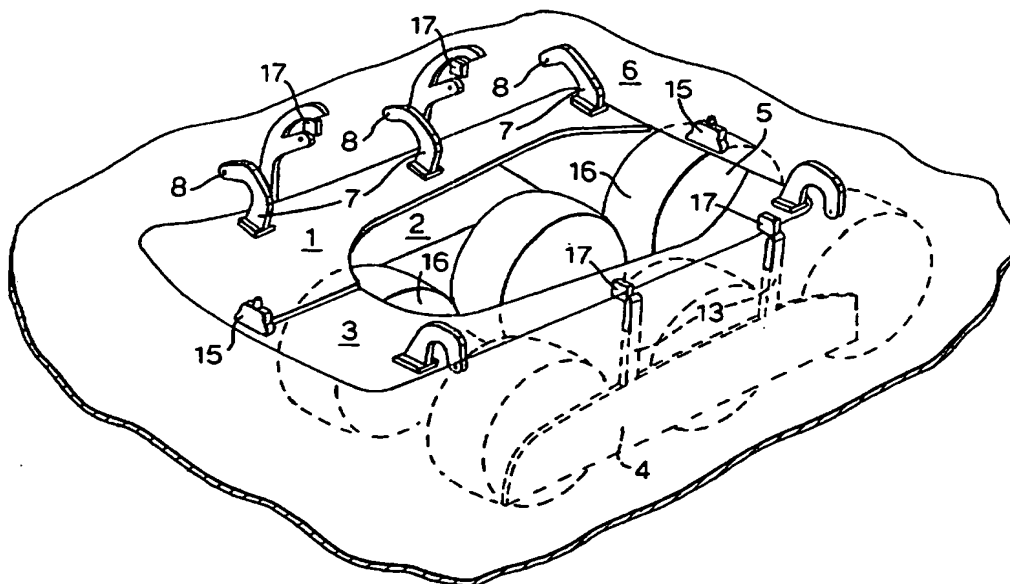
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

[Continued on next page]

(54) Title: **LANDING GEAR DOOR ASSEMBLY**



(57) **Abstract:** An aircraft landing gear door assembly includes a plurality of doors (1 to 4) moveable between open positions, in which landing gear can be deployed through an aperture, and closed positions, in which the doors are closed across the aperture. The plurality of doors includes first (1) and second (2) doors arranged such that, when the landing gear is deployed, the second door (2) is obstructed from moving between its open and closed positions while the first door (1) is free to move between its open and closed positions. After the landing gear is deployed the first door (1) is closed.